

GOVERNMENT OF TELANGANA
ABSTRACT

Agriculture & Cooperation (H&S) Department – Telangana State Micro Irrigation Project (TSMIP) - Implementation of Micro Irrigation Project scheme in the state – Revision of MI Components prices and spacing wise unit costs under TSMIP from 2022-23 onwards – Orders – Issued.

=====

AGRICULTURE AND COOPERATION (HORTI. & SERI) DEPARTMENT

G.O.Ms.No.9

Dated:28-03-2022.

Read the following:-

1. G.O.Ms.No. 1, Agri. & Coop. (H&S) Dept., dt: 02.01.2015.
2. G.O.Ms.No. 375, Agri. & Coop. (H&S) Dept., dt: 23.07.2016.
3. G.O.Rt.No.1133, Agri. & Coop. (H&S) Dept., dt: 12.10.2017.
4. G.O.Ms.No. 40, Agri. & Coop. (H&S) Dept., dt: 28.08.2017.
5. G.O.Ms.No.28, Agri. & Coop. (H&S) Dept., dt: 07.07.2021.
6. From the Chairman, TSMIP MI Companies Committee, Hyderabad, Lr. dt: 01.11.2021.
7. Minutes of the 9th State Standing Technical Committee (SSTC) conducted on 13.12.2021.
8. From the DoH., Hyd. Lr.No. TSMIP/Tech/280/2021, dt: 23.12.2021.

ORDER:-

The Director of Horticulture, Hyderabad in letter 8th read above, has informed that, Micro Irrigation Project (MIP), a unique and comprehensive project, launched in November 2003. At present, the Micro irrigation Programme is implemented in project mode by the Horticulture Department. Micro Irrigation systems functions with assembling of various components which are made up of PVC, PP, LLDPE, LDPE, HDPE, Metals etc. There will be a continuous price variations for the raw material used for said components. The MI Companies Committee have been representing on the rise of raw materials cost of MI Components as and when fluctuations are seen in the prices of raw materials in the market since last year till date.

2. The Director of Horticulture, Hyderabad has also stated that, vide G.O.Rt.No.1133, Agriculture & Cooperation (H&S) Department, dt: 12.10.2017, the State Standing Technical Committee (SSTC) was constituted to provide Technical advisory to State Mission and further to assist/guide the Commissioner of Horticulture, Hyderabad for empanelment of Micro Irrigation Companies, fixing of MI Component prices, preparation of spacing wise unit cost for the crops, introduction of new techniques and practices based on Research & Development experiences and local requirements to formulate the project implementation plan and Empanelment of New Brands of MI components suitable for Micro Irrigation System.

3. The Director of Horticulture, Hyderabad further stated that, keeping in view of the request of the MI Companies, the department has worked out the prices of MI Components by taking the average price of Raw materials for the last 6 months from June 2021 to November 2021 in consultation with the Chief Technical Manager of CIPET. During the SSTC meeting held on 13.12.2021 for revision of prices of MI Components, detailed discussion was held, on price hike of Raw materials which are ranging from 16 to 94% during last 6 months i.e., June'21 to Nov'21 due to increase in prices of Crude Oil which is due to complete lockdown due to Covid-19 pandemic in the United States of America which is one of the largest producer of Crude oil, increased Dollar rate and increased freight charges as represented by the MI companies. The SSTC Committee has studied the methodology of calculation of MI Component prices & feasibility and comparisons with other states i.e. Haryana, Gujarat, Maharashtra, Andhra

P.T.O.

Pradesh and Karnataka. After comparing, the average prices of MI Components fixed in Maharashtra and proposed now in Telangana State, the SSTC has recommended to consider the price of each component whichever is less for Telangana State Micro Irrigation Project (TSMIP) for price revision.

4. The Director of Horticulture, Hyderabad has furnished the details of existing prices of MI Components as per G.O. 4th read above and now proposed prices under TSMIP which are approved by SSTC. Based on the above component prices, the unit cost for various lateral spacings are worked out for different Horticulture & Agriculture crops for implementation of Micro-Irrigation Systems under TSMIP.

5. The Director of Horticulture, Hyderabad has requested the Government to kindly revise the prices of the MI Components, Unit Cost for various lateral spacings and also accord approval for mode of release of payments the existing procedure and DBT for all crops for implementation of MIP in a smooth manner.

6. Government after careful examination hereby revise the prices of Micro Irrigation Components, Unit costs for various lateral spacing of TSMIP mentioned in Annexure-I and Annexure-II appended to this order w.e.f 01.04.2022 and approve the mode of release of payments the existing procedure and DBT for all crops for implementation of Micro Irrigation Project. The 5% tax incentive (upto Maximum of Rs.5000/- per beneficiary) will remain the same, even if there is any change in the GST percentage by the Government.

7. The Director of Horticulture, Hyderabad shall take necessary action, accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

**M.RAGHUNANDAN RAO
APC & SECRETARY TO GOVERNMENT.**

To

The Director of Horticulture, Hyderabad.

The Director of Sericulture, Hyderabad.

The Commissioner of Agriculture, Hyderabad.

The Project officer, Telangana State Micro Irrigation Project (TSMIP).

Copy to:

All the District Collectors (Through Director of Horticulture, Hyderabad).

P.S. to Minister (Finance).

P.S. to Minister (Agriculture).

P.S. to C.S.

P.S. to APC & Secretary to Government, A&C Department.

The Finance (EBS.II) Department.

SF/SC.

//FORWARDED::BY ORDER//

SECTION OFFICER

ANNEXURE-I

Telangana State Micro Irrigation Project

Revised– Component Wise Prices

(Amount in Rs.)

Sl.No	Particulars	Unit	Existing prices as per Go.Ms.No.40, Dt:28-08-2017 (Excluding GST)	Revised prices for TSMIP for the year 2022-23 onwards (Excluding GST)
1	2	3	4	5
1	Plain Laterals ((Rs./m)			
	12 mm diameter	Mtr	4.23	6.16
	16 mm diameter	Mtr	6.50	9.47
	32 mm diameter,2.5Kg/cm2, - Class II	Mtr	26.68	37.28
2	Emitting pipe (Integral drip lateral) Class III(Rs./m)			
	12mm - 2LPH - 40cm	Mtr	7.49	10.49
	12mm - 2LPH & 3LPH- 50cm	Mtr	7.10	9.94
	12mm - 2LPH & 3LPH - 60cm		6.40	8.96
	12mm - 2LPH & 3LPH - 75cm	Mtr	6.33	8.87
	12mm - 2LPH - 90cm	Mtr	6.26	8.77
	12mm - 2LPH - 100cm	Mtr	6.04	8.46
	12mm - 2LPH - 150cm	Mtr	5.55	7.76
3	Emitting pipe (Integral drip lateral) Class II(Rs./m)			
	16mm - 2lph to 4lph - 30cm	Mtr	10.07	14.01
	16mm - 2lph to 4lph - 40cm	Mtr	9.63	11.36
	16mm - 2lph to 4lph - 50cm	Mtr	9.52	11.16
	16mm - 2lph to 4lph - 60cm	Mtr	9.34	10.83
	16mm - 2lph to 4lph - 75cm	Mtr	9.10	12.66
	16mm - 2lph to 4lph - 90cm	Mtr	8.90	12.38
	16mm - 2lph to 4lph - 100cm	Mtr	8.35	11.62
	16mm - 2lph to 4lph - 150cm	Mtr	7.70	10.71
4	HDPE Pipe for Drip main / sub main (1 mtr)			
	40mm - 2.5kg/cm2		27.77	35.86
	50 mm - 4kg/cm2		37.13	47.95
	63 mm - 3.2 kg/cm2	Mtr	47.25	61.01
	63 mm - 4kg/cm2	Mtr	57.44	74.17
	75 mm - 2.5 kg/cm2	Mtr	55.06	71.10
	90 mm - 2.5 kg/cm2	Mtr	72.25	93.30
	110 mm - 2.5 kg/cm2	Mtr	109.48	141.37
5	Online drippers -			
	2LPH	No	2.48	2.96
	4LPH	No	2.48	2.96
	8LPH	No	2.48	2.96
	2LPH PC	No	2.72	3.45
	4LPH PC	No	2.72	3.45
	8LPH PC	No	2.72	3.45
6	PVC Pipe (Rs./Mtr)			
	25mm (10Kg/cm ²)		13.62	29.10
	40mm - 6 Kg/cm2	Mtr	24.49	52.32
	50mm - 6 Kg/cm2	Mtr	37.13	79.32
	63mm - 4 Kg/cm2	Mtr	41.53	84.47
	75mm - 4 Kg/cm2	Mtr	59.16	118.78
	90mm - 4 Kg/cm2	Mtr	83.58	168.95
	110mm - 4 Kg/cm2	Mtr	119.69	255.69
7	PVC Ball Valve/Control Valve (Rs./unit)			
	40 mm	No	163.50	237.84
	50 mm	No	240.50	349.85
	63 mm	No	356.00	517.86
	75 mm	No	512.80	745.95
	90 mm	No	679.30	988.15

8	PP Ball Valve / Control Valve(Rs./unit)			
	25 mm		37.50	50.97
	40 mm	No	288.60	373.74
	50 mm	No	356.00	447.17
	63 mm	No	519.60	576.96
	75 mm	No	779.40	887.08
	90 mm	No	981.40	1335.22
9	Flush Valve (Rs./unit) (PP)			
	40 mm	No	47.56	58.42
	50 mm	No	62.00	72.00
	63 mm	No	65.80	80.97
	75 mm	No	76.10	109.82
10	Screen Filter (Rs./unit)			
	10 m ³	No	1303.46	1877.13
	20 m ³	No	1530.14	2203.57
	25 m ³	No	1537.87	2214.70
	30 m ³	No	1545.60	2225.84
	40 m ³	No	1751.68	2522.61
11	Sand Filter(Rs./unit)			
	10 m ³	No	6682.14	9213.67
	20 m ³	No	8655.36	11934.44
	25 m ³	No	9639.39	13291.27
	30 m ³	No	10626.97	14653.00
	40 m ³	No	12591.49	17361.78
12	Hydro-cyclone(Rs./unit)			
	2"	No	2679.04	3693.99
	3"	No	3451.84	4600.00
13	Disc Filter(Rs./unit)			
	1 1/2"	No	3522.64	3860.18
	2"	No	4068.66	5096.23
	3"	No	5706.72	6179.96
14	Fertilizer Tank(Rs./unit)			
	30 Litres	No	2175.75	3220.00
	60 Litres	No	3729.72	5750.00
	90 Litres	No	4964.67	6875.51
15	Grommat(Rs./unit)			
	12 mm	No	1.25	1.58
	16 mm	No	1.47	1.86
16	Start Connector/takeoff(Rs./unit)			
	12 mm	No	1.38	1.72
	16 mm	No	1.38	1.72
17	Nipple/Joiner(Rs./unit)			
	12 mm	No	1.38	1.78
	16 mm	No	1.38	1.78
18	End Cap(Rs./unit)			
	12 mm	No	1.26	1.59
	16 mm	No	1.26	1.59
19	Micro Tube(Rs./m)			
	6 mm	Mtr	1.27	1.63
20	Micro Tube Barbed Connector(Rs./unit)			
	Micro Tube Barbed Connector	Mtr	0.54	0.67
21	HDPE Pipes with quick action coupler (6m long)			
	50mm 4kgf/cm ²	6 Mtr	383.00	516.22
	75mm 4kgs/cm ²		545.00	734.36
	90mm 4kgs/cm ²		681.00	917.62
	63mm 3.2 kgf/cm ²	6 Mtr	431.00	580.92
	75mm 2.5 kgf/cm ²	6 Mtr	495.60	667.99
	90mm 2.5 kgf/cm ²	6 Mtr	586.75	790.85
22	Sprinkler coupler with foot batten assembly(Rs./unit)			
	50mm	No	237.40	314.51
	63mm	No	259.90	344.32
	75mm	No	290.70	385.12
	90mm	No	304.80	403.80
23	Sprinkler nozzles (1.7 to 2.8 kg/cm ²)(Rs./unit)			
	50mm to 90mm	No	255.34	392.61

24	Plastic Sprinkler nozzle(Engg. Plastic)		121.00	173.61
25	Riser pipe 20mm diameter x 75cm long(Rs./unit)			
	50mm to 90mm	No	63.40	92.02
26	Connecting nipple(Rs./unit)			
	50mm	No	144.40	181.82
	63mm	No	162.20	204.23
	75mm	No	213.67	269.03
	90mm	No	259.80	327.12
27	Bend with coupler 90 ^o (Rs./unit)			
	50mm	No	132.90	176.07
	63mm	No	155.10	205.48
	75mm	No	207.82	275.32
	90mm	No	220.04	291.51
28	Tee with coupler(Rs./unit)			
	50mm	No	170.80	226.18
	63mm	No	188.40	249.49
	75mm	No	222.50	294.64
	90mm	No	243.80	322.85
29	End plug(Rs./unit)			
	50mm	No	59.80	79.13
	63mm	No	67.50	75.84
	75mm	No	82.50	93.59
	90mm	No	94.60	125.18
30	Non – return valve(Rs./unit)			
	1.5"	No	571.70	815.11
	2"	No	765.40	1091.28
	2.5"	No	1032.80	1472.52
	3"	No	1466.30	2090.59
31	Air valve(Rs./unit)			
	1/2"	No	78.00	78.00
	1"	No	110.10	163.21
	1.5"	No	215.80	319.89
32	Gun metal valve/Throttle valve(Rs./unit)			
	1.5"	No	553.60	762.22
	2"	No	757.00	1042.27
	2.5"	No	1096.22	1510.28
	3"	No	1280.40	1762.90
33	Throttle valve (PP)			
	2"	No	656.21	928.28
	2.5"	No	1093.68	1620.71
	3"	No	1249.92	1852.24
34	RAIN GUN MODEL 1 (Discharge:143 to 375 LPM, Wetting radius: 22 to 25 m, operating pressure:2 to 6 Kg/sqcm)	No	2159.00	3247.57
	RAIN GUN MODEL 2 (Discharge:1.37 to 7.17 LPS, Wetting radius: 28 to 34 m, operating pressure:2 to 6 Kg/sqcm)	No	2836.10	4266.06
35	Vacuum breaker valve(Rs./unit)			
	1/2"	No	49.30	63.96
36	Pressure Guage(Rs./unit) (Glycerine)	No	180.32	198.35
37	Pressure Cork		55.66	83.43
38	Dripper Plug(Rs./unit)	No	0.48	0.61
39	By pass assembly (1.5" x 1.5")	No	648.79	741.51
40	By pass assembly (2" x 1.5")	No	676.96	907.29
41	By pass assembly (3" x 1.5")	No	705.11	945.02
42	Microjet	No	14.46	18.39
43	Microsprinkler	No	18.02	22.91
44	Fogger/mister		25.50	32.43
45	Ventury Assembly complete			
	3/4"	No	764.40	1060.38
	1"	No	1242.20	1723.18
	2"	No	2388.80	3313.74
46	Family Drip/Gravitational drip/Kitchen garden drip kit/Terrace garden drip kit		8536.80	12241.77
47	Fittings & Accessories		673.52	2100.00
48	Installation		483.00	1950.00

49	Transportation		425.00	1310.00
50	Elbow for Semi Permanent sprinkler (pvc)			
	25 mm	No	3.14	6.71
	90 mm	No	37.12	79.30
51	Reducer TEE / Reducer (PVC)			0.00
	75 x 25 mm	No	19.46	41.57
	90 x 25 mm	No	20.83	44.50
	90 x 75 mm	No	20.83	44.50
52	PVC service saddle (63 mm X 1")(PVC)	No	56.31	120.29
53	End Cap (PVC)			
	25 mm	No	1.79	3.51
	75 mm	No	24.48	47.94
54	Single Union Valve 32mm compression 3/4" female (32mm x 1") (Rs./unit)(PVC)	No	98.63	193.14
55	MTA 25mm (Rs./unit)	No	2.15	4.21
56	FTA 25mm (Rs./unit)	No	2.33	4.56
57	Compression end cap 32 mm (Rs./unit)(PVC)	No	30.19	61.81
58	Lateral Pipe (PE) 32 mm, Class II (2.5kg/cm2) (Rs./m) (LLDPE)	Mtr	26.68	37.28
59	Emitting Pipe (Integral Drip Lateral - PC) - 16mm - class - II, to 4LPH, 40 cms per mtr	Mtr	10.90	15.42
60	Elbow - 16mm, for sub-surface Drip Irrigation each		3.00	4.11
61	Tripod Stand			
	1.5"X1.5"	No	1800.00	2288.88
	1.5"X1.25"	No	1800.00	2288.88
62	Roller (optional)		1391.67	1530.84
63	Inlet & Outlet Manifold			
	63 mm	No		660.00
	75 mm	No		825.00
	90 mm	No		990.00

M. RAGHUNANDAN RAO
 APC & SECRETARY TO GOVERNMENT.

ANNEXURE-II

Telangana State Micro Irrigation Project

Revised Unit Cost for various lateral spacings

Sl. No.	Spacing (m x m)	Type of Drip	Existing TSMIP Unit Costs as per G.O.Ms.No.40, Dt:28-08-2017 (Rs. per ha)		Revised unit cost for 2022-23 onwards (Rs. per ha)	
			12mm	16mm	12mm	16mm
1	2	3	4	5	6	7
1	10 x 10	Online	16585	19085	29858	33500
2	9 x 9	Online	19722	22565	35136	39278
3	8 x 8	Online	21415	24485	37908	42381
4	9 x 9 Triangular with Microjets (GO.Ms.No.28, Dt:07-07-2021)	Online	0	42048	0	49059
5*	9 x 9 Triangular with Microjets& online emitters	Online	-	-	0	53465
6*	9 x 9 Triangular with Microjets, online emitters & Inline for Inter Cropping	Online	-	-	0	130358
7	7 x 7	Online	22794	26320	39780	44917
8	6 x 6	Online	24391	28371	41909	47708
9	6 x 6	Inline	24635	-	42436	-
10	5 x 5	Online	28062	32839	46736	53696
11	5 x 5	Inline	28327	33783	47442	50217
12	5x3	Inline	-	33780	-	50220
13	5x3	Online	-	32220	-	52960
14	5x2.5	Inline	-	33780	-	50220
15	5x2.5	Online	-	32320	-	53120
16	4.5 x 2.7	Online	29336	34682	48537	56326
17	4 x4	Online	32701	35425	55442	57649
18	3 x 3	Online	37638	43737	63599	69115
19	3 x 3	Inline	-	47840	-	67106
20	3x2	Online	-	48434	-	75886
21	3x1.5 (High Density)		-	54190	-	79210
22	1.5 X 1.5	Online	55360	63029	85956	97185
23	2.7 x 1.5	Inline	45569	50699	74763	70382
24	2.7 x 1.5	Online	43790	52069	68634	79489
25	2.5x2.5	Inline	-	55360	-	76130
26	2.5x2.5	Online	-	52690	-	82260
27	2.25 x 0.6	Inline	48168	58550	77143	79633
28	2.0 x 0.6	Inline	51381	63252	81642	85088
29	2 x 2	Online	-	61245	-	92767
30	2x1 (ultra high density)	Inline	-	66270	-	89870
31	1.8 x 1.8	Inline	-	68710	-	91365
32	1.8 x 1.8	Online	57182	69949	86753	104686
33	1.8 x 1.5	Online	60282	70565	90453	104426
34	1.8 x 0.6	Inline	54038	68710	84193	91365
35	1.8 x 0.9	Online	-	69949	-	104686
36	1.8x0.4	Sub Surface	-	85400	-	92000
37	1.5x0.4		-	85400	-	106000
38	1.5 x 0.6	Inline	-	79001	-	103349
39	1.2 x 0.6	Inline	77088	97671	118863	126334
40	1.0 x 0.6(GO.Ms.No.45, Dt:21-09-2017)	Inline	83043	112237	124773	144202

Sl. No	Name of the Sprinkler	Existing TSMIP Unit costs as per GO.Ms.No.40, Dt:28-08-2017	Revised unit cost for 2022-23 onwards (Rs. per ha)
1	2	3	4
41	PortableSprinkler (25 Nos HDPE Pipes, 5 Sprinkler Nozzles, 5 Nos Sprinkler Coupleretc)	16671	23385
	Portable Sprinkler below 0.4 Ha(GO.Ms.No.45, Dt:21-09-2017) (18 Nos HDPE Pipes, 3 Sprinkler Nozzles, 3 Nos Sprinkler Coupleretc)	11983	16969
42	MicroSprinkler (Plain Lateral 3500 mts, 1120 Micro Sprinklersetc)	58650	91791
43	Semi-Permanent (PVC 90mm (102m), 75mm (54m) & 25mm (810m), Riser Pipe &Valvesetc)	30891t	61511
44	Mini Sprinklers (Plain Lateral 1000m, Sprinkler Nozzles 100Nos & PVC Main (60m)& Sub Main (108m)etc)	72214	106995
45	Rain Guns (HDPE Pipes 25Nos, Rain Gun Nozzle, Rain Gun 1 No etc)		
	75mm	21647	31629
	90mm	25139	36345

M. RAGHUNANDAN RAO
 APC & SECRETARY TO GOVERNMENT.